



THE CITADEL

THE MILITARY COLLEGE
OF SOUTH CAROLINA

Safety Office: (843) 953-4816
(842) 953-6945
Radio: #98 or #99



PUBLIC SAFETY DEPARTMENT & ENVIRONMENTAL HEALTH & SAFETY NEWSLETTER

November 19, 2021

Safety Counter

70

Days Since Last Recordable

HVAC Laceration OSHA 10.18.2021

First Aid – Tailor Shop – Abrasion
forehead

Safety Stats

5	YTD Campus Recordable Injuries
2.1	RIR Rate (Target: 0.00)
7	YTD First Aids & Report Only
1.9	NCAIS Educational Institution Avg.

Days Since Last OSHA Recordable

1,788	Zone Maintenance
229	HVAC
180	Grounds
1,462	Machine/Plumbing Shop
657	Electrical Shop
>1,200	Motor Pool
70	All Other Campus Departments



Congratulations to seven individuals who completed the American Red Cross First Aid/CPR/AED class on Thursday November 11, 2021. Each of the individuals will carry a two-year certification in First Aid/CPR/AED through the American Red Cross.

Cadets: Logan Miller, Sam Wendt, Ethan Van Hall, and Josh Babcock along with HVAC Employees: Jack Doscher, Jeff Caddell, and Wilton (Jr) Shirrel.

Each participant attended a five-hour training session that included video instruction, lecture, along with practical skill sessions (hands on) training in the use of CPR including the use of an AED.

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Upcoming Events Provided Through EHS

The following events will be offered through the EHS department in the very near future. Continue to monitor the EHS Newsletter and correspondence from the department.

- **First Aid, CPR, AED training** – **UPDATE: We now have four certified First Aid/CPR/AED instructors on Campus. Contact the EHS offices to schedule a class. This class will allow a two-year certification through The American Red Cross.**
- **Defensive Driving Classes** – Anyone who utilizes a Citadel vehicle needs to attend a defensive driver course through the National Safety Council. This training is provided through the EHS department. Stay tuned for spring classes to be scheduled soon. (Certificate Class 3 year cycle)
- **SAFETY DAYS** – The EHS Director and campus Fire Marshal are in the process of developing continued and makeup sessions for EHS/Life Safety training. This training will provide required regulatory training along with fire extinguisher training utilizing the school's fire extinguisher simulator. (Certificate of Completion)

For more information, you can contact the EHS Department or Campus Fire Marshal at (843) 953-4816, (843) 953-6945. Email: horr@citadel.edu or jsoares1@citadel.edu

2021 Storm Names

Anna	Henri	Odette
Bill	Ida	Peter
Claudette	Julian	Rose
Danny	Kate	Sam
Elsa	Larry	Teresa
Fred	Mindy	Victor
Grace	Nicholas	Wanda

NOAA Atlantic hurricane forecast 2021

	Issue Date May 20	Issue Date August 4	Average (1991-2020)
Named Storms	13-20	15-21	14
Hurricanes	6-10	7-10	7
Major Hurricanes	3-5	3-5	3

Updated 10/20/2021

SOURCE: NOAA

2021 ATLANTIC TROPICAL SEASON AS OF NOVEMBER 11TH, 2021					
	SEASON AVERAGE	NOAA MAY 2021 FORECAST	NOAA AUG 2021 UPDATE	2021 SEASON SO FAR	2020 SEASON
NAMED STORMS	14	13-20	15-21	21	30
HURRICANES	7	6-10	7-10	7	14
MAJOR HURRICANES	3	3-5	3-5	4	7

2021 vs. 2020

Compared to last year, the 2021 hurricane season felt calm. 2020 was the most active season on record with 31 named storms. When it comes to destruction, 2021 actually cost around \$20 billion more in damages than 2020, most of which came from Hurricane Ida.

The reason 2020 felt so much busier further inland is there were 11 storms that made landfall in the United States. The majority of those made landfall in the Gulf of Mexico with three of them passing through states that are more central. This year we saw no storms pass over the more central part of the country.

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SAFETY PICTURE OF THE DAY



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WHAT TO DO IN CASE OF FIRE OR EMERGENCY IN A CAMPUS BUILDING

. Numbers to call in case of a fire or emergency:

A. From a campus (VOIP) phone
- 953-5114 (Citadel Public Safety)
- 811 (Citadel Public Safety)

B. From a cell phone
- 911 (Charleston 911 Dispatch Center)
- 843-953-5114 (Citadel Public Safety)

2. Give the following information:

A. Name

B. Phone Number (Preferably a cell #)

C. Location (Bldg, Room #)

D. Nature of emergency (What is the situation?)

E. Number of Injured

F. Nature of Injuries (How/what is injured?)

DO NOT hang up until told to do so.

3. **ALL PERSONNEL MUST EVACUATE** the building when a fire alarm is sounding. **NO EXCEPTIONS!**

4. Know multiple routes out of your building. DO NOT use an elevator in the event of a fire or emergency.

5. Know where your fire extinguishers are located and what types of extinguishers are available.

6. Only attempt to extinguish a fire if you deem it safe enough and small enough. If in doubt, evacuate.

7. Know where the closest fire alarm pull station is located. Most are located near an exit or door to a stairwell.

8. Consider your co-workers. Provide additional help evacuating to those in need, i.e. injured, handicapped, and elderly.

9. Know where your muster points are located. All facilities should have a primary and alternate muster point to assemble and complete accountability of all faculty, staff and students. Muster points should be far enough away from the building to avoid impeding emergency response vehicles. Primary and alternate muster points should be located away from each other in case one is impacted by smoke, gases, etc.

10. Notify emergency responders of anyone that may still be left in the building and where they may be located.

11. **DO NOT RE-ENTER THE BUILDING** for any reason. Only re-enter the building after being given the **"ALL CLEAR"** by Public Safety and alarms have been silenced.

12. Close all doors in office, administrative and educational buildings after rooms have been evacuated. This is especially important if the room is on fire. Closed doors will help to compartmentalize the building and reduce the spread of fire.

13. Barracks doors will be left open with lights on after evacuation unless the room in question is on fire. That door will be closed. Barracks doors left open are to help assist in the evacuation and accountability process.

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THINK SAFETY



THE CITADEL FIRE MARSHAL'S OFFICE

NOVEMBER 2021

For most, the kitchen is the heart of the home, especially during the holidays.

THANKSGIVING SAFETY

We all need to keep fire safety at the top of our minds in the kitchen during the holidays, especially when there's a lot of activity and people in the home. As you start preparing your holiday schedule and organizing for a large family get together, remember the following safety tips to keep yourself and you family safe from fire.

- Stay in the kitchen when cooking on the stovetop so you can keep an eye on the food.
- Stay in the home when you are cooking your turkey and check it frequently.
- Keep children away from the stove. The stove will be hot and kids should stay 3-feet away.
- Make sure your smoke alarms are working. Test them by pushing the test button before people arrive, change batteries or alarms if needed.
- If frying a turkey follow all the manufacturers directions and have a **FULLY** thawed turkey to cook. A turkey that is now fully thawed can cause hot grease to pour out of the cooker, which can ignite from the open flame.



A Message from the Campus Fire Marshal:

Sunday, November 7th, was daylight savings time, it means shorter days and darker evening commutes are ahead. One of the most important things that you need to do while you're setting your clocks back an hour is to be sure to change the batteries in your smoke alarms and to replace any smoke alarm that is 10 years old or older, and checking your carbon monoxide detector.

Roughly 3 out of 5 fire deaths that occur in the U.S. occur in homes with no smoke alarms, or no working smoke alarms.

Please don't be a statistic, check and replace your smoke alarms.

If you need help in checking your smoke alarm batteries, or need assistance in replacing a smoke alarm, contact the Environmental Health & Safety Office, and if you live off campus, contact your local fire department.

Think Safety.



Call 911 in case of a fire.

HEAT YOUR HOME SAFELY

Heating equipment is the leading cause of home fire deaths. Some simple steps can prevent most heating-related fires from occurring:

- Keep anything that can burn at least 3-feet away from heating equipment, like the furnace, fireplace, wood stove, or portable space heaters.
- Have a 3-foot "kid-free zone" around open fires and space heaters.
- Never use your oven or an outside gas/charcoal grill to heat your home.
- Have heating equipment and chimneys cleaned and inspected every year by a qualified professional.
- Remember to turn portable heaters off when leaving the room or going to bed.
- Test smoke alarms at least once a month.
- Have working Carbon Monoxide detectors in your home if you use gasoline, wood, coal, natural gas, propane, oil, and methane, as a heating fuel.

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Ask a Safety Professional

Welcome to a new feature to the Environmental Health and Safety Newsletter – anyone can ask an Environmental, Health, Safety or Life Safety question.

1. What are the 7 elements of Safety?
 - a. Safety Culture
 - b. Employee Training and Empowerment
 - c. Hazard Identification and Control Systems
 - d. Focus on Compliance
 - e. Continuous Improvement
 - f. Leadership and Organizational Buy-In
 - g. Safety Management's Role
2. What types of hazards potentially exist in the workplace?
 - a. Safety Hazards
 - b. Biological Hazards
 - c. Physical Hazards
 - d. Ergonomic Hazards
 - e. Chemical Hazards
 - f. Workload Hazards

All of these hazards exist here at the Citadel and employee recognition is extremely important.

- **Hazard** – is any source of potential damage, harm or adverse effects on something or someone under certain condition.
- **Identification** – hazard identification is the systematic observation of unsafe conditions, negative behaviors and weaknesses within the management structure that could lead to injuries and illnesses.

Anyone can submit a question by contacting Dave Orr at horr@citadel.edu or Jesse Soares, Campus Fire Marshal at jsoares1@citadel.edu

Have a Safety and Healthy Day

CAPERS HALL CONSTRUCTION SITE

Just a reminder to all, with the demolition and construction occurring at the Capers Hall site, you should be extra careful and aware of your surroundings. There are multiple cases where individuals are not paying attention and walking out into the street not using the designated crosswalks. There will be a considerable higher volume of truck traffic in this area and especially at the intersection of Lee and Hagood. Please pay close attention and use the crosswalks as to avoid any serious injuries or near misses.

Please use caution and be aware when Hagood Gate is open – the construction has left the road in poor shape and until the road is paved, it may be difficult to pass over. Also be aware of the pile driving in this area – noise can be a nuisance and loud to some individuals with sensitive hearing. Noise exposure is determined by decibel levels and duration of time exposed. Workers in and near the construction area are required to wear hearing protection.

What constitutes an OSHA recordable injury?

In order for an injury or illness to be recordable, it must be work-related. An injury is considered work-related if an event or exposure in the workplace caused or contributed or significantly aggravated a pre-existing condition.

Generally, a recordable injury or illness under OSHA is defined as one that requires medical treatment beyond first aid, as well as one that causes death, days away from work, restricted workdays, and transfer to another job or loss of consciousness.

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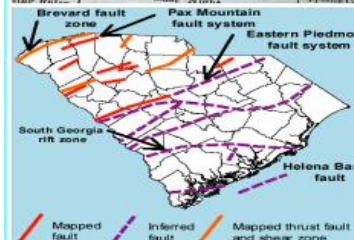
WHAT SHOULD CADETS, FACULTY, AND STAFF DO DURING AN EARTHQUAKE

The safest action in most earthquake situations is to Drop, Cover, and Hold On. If you are within a building, **STAY** in place, and if you are outside, **STAY** outside.

EARTHQUAKES IN THE CHARLESTON AREA

An earthquake near Charleston, South Carolina, on August 31, 1886 left more than 100 people dead and hundreds of buildings destroyed. This was the largest recorded earthquake in the history of the southeastern United States. With an estimated magnitude of 6.9–7.3, and lasted less than 60-seconds.

Even though an earthquake of this past magnitude is unlikely in our area, recently uncovered a concealed fault lines along the coastal plains of Virginia and the Carolinas have been identified.



SEVEN STEPS TO EARTHQUAKE SAFETY

Cadets, faculty, and staff should know what steps to take before, during, and after a major earthquake:

PREPARE:

STEP 1: Secure your space.

STEP 2: Plan to be safe.

STEP 3: Organize disaster supplies.

STEP 4: Minimize financial hardships.

SURVIVE:

STEP 5: Drop, Cover, and Hold On.

STEP 6: When quake stops improves safety, help others, evacuate buildings. It is important to be mindful of the smell of gas after an earthquake.

RECOVER:

STEP 7: Reconnect and Restore.

www.earthquakecountry.org/sevensteps



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Thanksgiving

U	T	Y	P	D	D	N	H	T	X	T	A	N	D	Y
C	A	V	M	T	R	E	O	I	S	N	Z	E	Z	D
H	W	A	V	C	E	T	G	I	Y	A	S	L	A	Y
T	H	R	I	R	S	A	X	J	T	S	E	E	W	S
Y	U	G	Y	A	S	R	X	B	E	I	R	F	H	O
M	I	R	X	N	I	B	T	R	K	B	D	P	N	X
Q	T	J	K	B	N	E	T	Z	N	N	M	A	V	W
C	C	T	F	E	G	L	Q	R	Z	I	Z	E	R	R
E	A	K	P	R	Y	E	O	W	K	J	F	D	B	T
Z	D	R	Y	R	V	C	A	S	S	E	R	O	L	E
W	Y	M	V	I	R	Z	N	R	C	R	V	A	D	A
L	L	A	F	E	D	A	N	N	R	N	C	G	N	M
H	N	I	J	S	A	N	Z	L	N	R	V	M	U	S
U	A	I	P	O	C	U	N	R	O	C	D	O	A	D
O	E	W	J	V	X	Y	H	N	F	B	L	P	M	P

acron

celebrate

cranberries

fall

ham

carve

cornbread

dessert

feast

tradition

casserole

cornucopia

dressing

gravy

turkey

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A great victory for the Citadel Bulldogs Football Team on Saturday 13 November over Wofford. It was such a great victory that our very own Roy Jordan (Electrical Shop) got involved in celebrating one of the Bulldog touchdowns by carrying one of the team's spirit flags across the end zone. Fortunately, Roy made the trip across and back without incident or injury, but he was out of wind after the run.

Citadel 45 – Wofford 44